

New names and combinations and other nomenclatural notes for Compositae of various countries

ADRIANO SOLDANO
Largo Brigata Cagliari, 6
13100 Vercelli, Italy

Abstract

The author proposes new names, or the proper synonym, for taxa of different countries that hold the same names, new combinations in proper genera, and emphasizes older priorities on names currently used.

Introduction

The recent publication of floras of different countries has shown that there are some Compositae species holding the same name. Many of these are taxa with a narrow distribution, and the lack of available synonyms necessitates some new names to be established. Concerning other species, mainly of the Middle East or Mediterranean Region, the appropriate combinations, following the latest taxonomic treatments (e.g. BREMER 1994), have been traced. Furthermore, some combinations are reassigned to authors earlier than those currently cited.

Abbreviations: FC = Flora Vasculare de Chile (MARTICORENA & QUEZADA 1985), FE = Flora Europaea (TUTIN et al. 1976), FF = Index Synonymique de la Flore de France (KERGUÉLEN 1993), FI = Flora d'Italia (PIGNATTI 1982), FO = Conspectus Florae Orientalis (HELLER & HEYN 1993), FR = Vascular Plants of Russia (CZEREKANOV 1995), FSA = Plants of Southern Africa (ARNOLD & DE WET 1993).

New or correct names

Centaurea aksamica SOLDANO, nom. nov. = *C. veneris* B. L. BURTT et P. H. DAVIS, Kew Bull. 4: 104-105 (1949), non (SOMMIER) BÉGUINOT in BÉGUINOT et LANDI, Arch. Bot. (Forlì) 7: 90 (1931).

Ref.: FO, 8:120.

The same name of this Cyprus endemite was earlier employed for another restricted taxon of NW Italy (Liguria) listed in FI.

Senecio incertus DC., Prodr. 6: 433 (1838) = *S. tuberosus* (DC.) HARV. in HARV. et SOND., Fl. Cap. 3: 375 (1865), non SCH. BIP. ex A. RICH., Tent. Fl. Abyss. 1: 434 (1848).

Ref.: FSA, 768.

The synonym of HARVEY's illegitimate combination that replaces it, is listed in the indicated reference. SCHULTZ BIPONTINUS' name validated by A. RICHARD concerns a species recently included in *Solanecio* as *S. tuberosus* (SCH. BIP. ex A. RICH.) C. JEFFREY (1986).

- *Senecio linaresensis* SOLDANO, nom. nov. = *S. subdentatus* PHIL., Linnaea 28: 748 (1856), non LEDEB., Fl. Alt. 4: 110 (1837).

Ref.: FC, 39.

PHILIPPI's plant is an endemite of "Cordillera de Linares" in Chile and the LEDEBOUR one, currently listed (FR, 98), grows from Russian Caucasus to Eastern Siberia.

Senecio neoviscidulus SOLDANO, nom. nov. = *S. viscidulus* COMPTON, Journ. S. Afr. Bot. 33: 303 (1967), non SCHEELE, Linnaea 18: 480 (1844).

Ref.: FSA, 768.

COMPTON's species, an endemite of Natal and Swaziland, has the same name as the hybrid between *S. sylvaticus* L. and *S. viscosus* L., a taxon of Central-North Western Europe (BENOIT et al. 1975) listed, for example, in the latest British Flora (STACE 1995).

- *Senecio nublensis* SOLDANO, nom. nov. = *S. carnosus* PHIL., Anal. Univ. Chile 21: 382 (1862), non THUNB., Prodr. Pl. Cap.: 158 (1800).

Ref.: FC, 38.

This endemite of Chillan Mountains in Chile (CABRERA 1949: 190-191) had the same binomial as the earlier THUNBERG taxon, a species restricted to South Africa, listed in FSA. However, it has also to be considered that THUNBERG's name is a later homonym of *S. carnosus* LAMARCK (1779) and it is therefore illegitimate (art. 53.1 of the Code of Nomenclature; GREUTER et al. 1994); but art. 56 of the same Code may be used (a proposal is in preparation) for the rejection of LAMARCK's name, considering the long permanence of THUNBERG's taxon in the literature and the illegitimacy of LAMARCK's name, a superfluous renaming of *Senecio doria* L.

Senecio pemehuenensis SOLDANO, nom. nov. = *S. scoparius* PHIL., Anal. Univ. Chile 88: 282 (1894), non HARV. in HARV. et SOND. Fl. Cap. 3: 389 (1865).

Ref.: FC, 39.

HARVEY's earlier name concerns a South African endemite currently listed (FSA, 767). PHILIPPI's taxon is known only from a collection near Pemehue in south Chile (CABRERA 1949).

Senecio variifolius DC., Prodr. 6: 393 (1838) = *S. lyratus* L. fil., Suppl. 369 ("1781", publ. 1782), non FORSSK., Fl. Aeg. Arab. 148 (1775).

Ref.: FSA, 765.

FORSSKÅL's earlier name refers to a currently listed (FO, 67) Eritreo-Arabian/East African species.

New combinations

Inula stenocalathia (RECH F.) SOLDANO, comb. nov. = *Codonocephalum stenocalathium* RECH. F., Fl. Iranica 145: 74 (1980).

Ref.: FO, 8: 30.

The inclusion of *Codonocephalum* FENZL in *Inula* L. is supported by ANDERBERG's (1991; see also ANDERBERG 1994) accurate study on Inuleae, where other "*Codonocephalum*" of the same country (*inuloides* and *peacockianum*) are listed under *Inula*. *I. stenocalathia* is an Iranian endemite.

Seriphidium densiflorum (VIV.) SOLDANO, comb. nov. = *Artemisia densiflora* VIV., Fl. Cors. App. Alt. 2, 4 t. 2 (1830).

Ref.: FI, 3: 108.

This species is endemic to Northern Sardinia/extreme South Corsica. The specific rank adopted in FI, by CORRIAS (1986) - with accurate taxonomy and typification - and by GEHU et al. (1989) is lowered to the subspecific one in FF.

Stemmacantha caulescens (COSSON et BALANSA) SOLDANO, comb. nov. = *Rhaponticum caulescens* COSSON et BALANSA, Bull. Soc. Bot. France 20: 251 (1873). = *Leuzea caulescens* (COSSON et BALANSA) HOLUB, Folia Geobot. Phytotax. 8(4): 391 (1973).

Ref.: JAHANDIEZ & MAIRE 1934: 820.

Stemmacantha imatongensis (PHILIPSON) SOLDANO, comb. nov. = *Centaurea imatongensis* PHILIPSON, Jour. Bot. (London) 77: 232 (1939). = *Rhaponticum imatongense*

(PHILIPSON) SOJÁK, Novit. Hort. Bot. Univ. Carol. Prag. 1962: 48 (1962). = *Leuzea imatongensis* (PHILIPSON) HOLUB, Folia Geobot. Phytotax. 8(4): 391 (1973).

Ref.: LISOWSKI 1991: 594.

Rhaponticum, as indicated in the references of these two species, is a controversial abandoned name (cfr. HOLUB 1973, DITTRICH 1984) and *Stemmacantha* CASS. is the one currently listed (BREMER 1994; FO; FR etc.).

Tanacetum musili (VELEN.) SOLDANO, comb. nova = *Pyrethrum musili* VELEN., Sitz.-Ber. Boehm. Ges. Wiss. 1911, 11:11 (1912).

Ref.: FO, 8: 60.

Pyrethrum ZINN is currently reduced to *Tanacetum* L. (cfr. BREMER & HUMPHRIES 1993). The species in argument is a Saharo-Arabian endemite.

Wedelia ciliata (SCHUM.) SOLDANO, comb. nov. = *Verbesina ciliata* SCHUM. in SCHUM. & THONN., Beskr. Guin. Pl.: 391 (1827). = *Aspilia ciliata* (SCHUM.) WILD, Kirkia 6: 41 (1967).

Ref.: FO, 8: 39.

Wedelia kotschyi (SCH.BIP. ex HOCHST.) SOLDANO, comb. nov. = *Dipterotheca kotschyi* SCH.BIP. ex HOCHST., Flora (Intell.) 25: 435 (1842). = *Aspilia kotschyi* (SCH.BIP. ex HOCHST.) BENTH. et HOOK. ex OLIV., Trans. Linn. Soc. London 29: 98 (1875).

Ref.: FO, 8:39.

The last two combinations for these species of Tropical Africa and Eritreo-Arabian province is a consequence of the reduction of *Aspilia* to *Wedelia*.

Neglected priorities

Anthemis saxatilis LAM. et DC., Syn. Pl. Fl. Gall.: 291 (1806), ante DC. ex WILLD., Enum. Pl. Horti Berol.: 910 (1809).

Ref.: FF, 16.

Crepis lyrata (LEDEB.) TURCZ., Bull. Soc. Nat. Moscou 11: 96 (1838), ante (LEDEB.) FROEL. in DC., Prodr. 7: 170 (1838).

Ref.: FR, 55.

TURCZANINOW's paper listing this Siberian endemite antedates DE CANDOLLE's name published in the same year (cf. STAFLEU & COWAN 1985).

Crepis suffreniana (DC.) STEUDEL, Nomencl. Bot., ed. 1: 236 (1821), ante LLOYD, Fl. Loire-Inf.: 155 (1844).

Ref. FE, 5:356; FI, 3: 280; FF, 53.

Leucanthemum halleri (VITMAN) DUCOMMUN, Taschenb. Schw. Bot.: 383 (1869). = *Chrysanthemum halleri* VITMAN, Summa Pl. 5: (1791), ante SUTER, Fl. Helv. 2: 193 (1802).

Ref.: HESS et al. 1972: 574.

VITMAN's description of this endemite of Switzerland and Austria Alps exactly reproduces SUTER's one and both are based on HALLER (1768 n.97). DUCOMMUN's combination based on SUTER's name is a bibliographic citation error that does not invalidate it (art 33.3 of the Code).

References

- ANDERBERG, A. A. 1991. Taxonomy and phylogeny of the tribe Inuleae (Asteraceae). *Plant Syst. Evol.* 176: 75-123.
- ANDERBERG, A. A. 1994. Tribe Inuleae. In: BREMER, K., *Asteraceae: Cladistics and Classification*: 273-291. Portland Press, Oregon.
- ARNOLD, T. H. & B. C. DE WET (eds.) 1993. *Plants of Southern Africa: names and distribution*. Mem. Bot. Surv. South Afr. No. 62. Pretoria.
- BENOIT, P. M., CRISP, P. C. & B. M. G. JONES 1975. *Senecio* L. In: STACE, C. A. (ed.), *Hybridization and the Flora of the British Isles*. London and New York.
- BREMER, K. 1994. *Asteraceae: Cladistics and Classification*. Portland Press, Oregon.
- BREMER, K. & C. J. HUMPHRIES 1993. Generic monograph of the Asteraceae-Anthemideae. *Bull. Nat. Hist. Mus. Lond. (Bot.)* 23(2): 71-177.
- CABRERA, A. L. 1949. El genero "Senecio" en Chile. *Lilloa* 15: 27- 501.
- CORRIAS, B. 1986. Le piante endemiche della Sardegna, 187: *Artemisia densiflora* Viv. *Bol. Soc. Sarda Sci. Nat.* 25: 187-191.
- CZEREPANOV, S. K. 1995. *Vascular plants of Russia and adjacent states (the former USSR)*. Cambridge.
- DITTRICH, M. 1984. Neukombinationen in der Gattung *Stemmacantha* Cass. (Compositae) mit Bemerkungen zur Typisierung einiger ihrer Arten. *Candollea* 39: 45-49.

- GEHU, J. M., GEHU-FRANCK, J. & E. BIONDI 1989. Synécologie d'espèces littorales cyrno-sardes rares ou endémiques: *Evax rotundata* MORIS, *Spergularia macrorhiza* (REQ. ex LOISEL.) HEYNH. et *Artemisia densiflora* Viv. *Bull. Soc. Bot. Fr., Lettres Bot.* 136: 129-135.
- GREUTER, W., BARRIE, F. R., BURDET, H. M., CHALONER, W. G., DEMOULIN, V., HAWKSWORTH, D. L., JORGENSEN, P. M., NICOLSON, D. H., SILVA, P. C., TREHANE, P. & J. MCNEILL 1994. *International Code of Botanical Nomenclature* (Tokyo Code). *Regn. Veg.* 131.
- HALLER, A. 1768. *Historia stirpium indigenarum Helvetiae*. Bernae.
- HELLER, D. & C. C. HEYN 1993. *Conspectus Florae Orientalis* 8. Jerusalem.
- HESS, H. E., LANDOLT, E. & R. HIRZEL 1972. *Flora der Schweiz* 3. Basel & Stuttgart.
- HOLUB, J. 1973. Contribution to the Taxonomy and Nomenclature of *Leuzea* DC. and *Rhaponticum* auct. *Folia Geobot. Phytotax.* 877-395.
- JAHANDIEZ, E. & R. MAIRE 1934. *Catalogue des plantes de Maroc (Spermatophytes et Ptéridophytes)* 3. Alger.
- JEFFREY, C. 1986. Notes on Compositae, IV: The Senecioneae in East Tropical Africa. *Kew Bull.* 41: 873-943.
- KERGUÉLEN, M. 1993. *Index synonymique de la flore de France*. Paris.
- LAMARCK, J. B. A. P. MONNET DE 1779. *Flore françoise*. Paris.
- LISOWSKI, S. 1991. *Les Asteraceae dans la flore d'Afrique Centrale*. Krakow.
- MARTICORENA, C. & M. QUEZADA 1985. *Catálogo de la Flora Vascular de Chile*. Gayana 42.
- PIGNATTI, S. 1982. *Flora d'Italia* 3. Bologna.
- STACE, C. 1995. *New flora of the British Isles*. Cambridge.
- STAFLEU, F. A. & R. S. COWAN 1985. *Taxonomic literature* 6. Utrecht & Antwerpen.
- TUTIN, T. G., HEYWOOD, V. H., BURGESS, N. A., MOORE, D. M., VALENTINE, D. H., WALTERS, S. M. & D. A. WEBB 1976. *Flora Europaea* 4. Cambridge, London, New York & Melbourne.